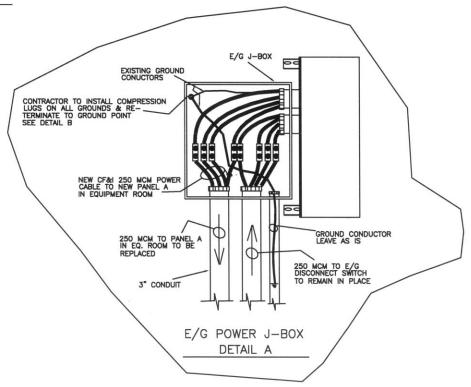


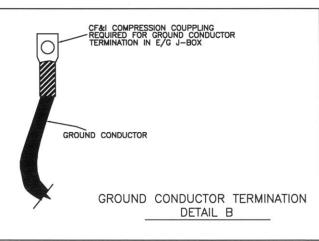
PLAN VIEW

NOTES:

CONTRACTOR FURNISHED AND INSTALLED (CF&I), GOVERNMENT FURNISHED (GF) GALVANIZED RIGID CONDUIT (GALV.), ENGIN GENERATOR (E/G), MAIN DISTRIBUTION PANEL (MDP)

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSION, PRIOR TO PURCHASING MATERIALS
- 1. THE CONTRACTOR SHALL REMOVE THE EXISTING BREAKER PANEL "A"; AND INSTALL A NEW GF BREAKER
 PANEL. THE NEW PANEL IS A SQUARE D I-LINE HCM PANEL. THE PANEL SHALL BE INSTALLED IN THE SAME
 LOCATION AS EXISTING. THE PANEL SHALL BE MOUNTED TO BACK WALL USING APPROPRIATE SIZE MOUNTING HARDWARE.
 THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE NATIONAL ELECTRICAL CODE (NEC) STANDARDS WHEN MOUNTING NEW PANEL.
- 2. THE CONTRACTOR SHALL REMOVE THE EXISTING BARE COPPER #2 AWG GROUND CONDUCTOR FROM METAL CONDUIT AND INSTALL A NEW #4/O GROUND CONDUCTOR. THE #4/O SHALL RUN FROM NEWLY INSTALLED I—LINE PANEL AND TIE INTO THE EXISTING BUILDING GROUND COUNTERPOISE SYSTEM. THE CONTRACTOR SHALL EXOTHERMIC WELD THE NEW #4/O TO THE EXISTING BUILDING COUNTERPOISE SYSTEM, THEN A 3/4"x10' COPPER CLAD GROUND ROD WILL BE INSTALLED; THE NEW #4/O GROUND WIRE WILL BE EXOTHERMICLY WELDED TO THAT ROD.
- 3. THE CONTRACTOR WILL BE REQUIRED TO REPLACE THE EXISTING SET OF 4-250 MCM CABLES WITH WEN 250 MCM CABLE. THE CONTRACTOR SHALL INSTALL THE CABLE IN AN EXISTING 3" METAL CONDUIT. SEE PROJECT DRAWINGS FOR CABLE ROUTING AND APPROXIMATE DISTANCES.
- 4. THERE ARE TWO (2) SETS OF 250 MCM CABLES INSIDE THE J-BOX. ONE SET SUPPLIES POWER TO PANEL A IN EQ. ROOM THE SECOND SET IS THE INCOMMING POWER FEED AND WILL REMAIN IN PLACE. THE CONTRACTOR SHALL REPALCE PANEL A SUPPLY CABLES.
- 5. THE CONTRACTOR SHALL REPLACE THE EXISTING SINGLE PHASE, 120/240 VOLT E/G BREAKER PANEL. WITH A NEW SQUARE D NQOD TYPE BREAKER PANEL (OR APPROVED EQUAL). THE PANEL SHALL HAVE A HINGED DOOR, 100 AMP MAIN BREAKER. ALL BREAKERS SHALL BE BOLT-ON. THE PANEL SHALL HAVE 9-20 AMP SINGLE POLE BREAKERS AND 3-20 AMP DOUBLE POLE BREAKERS. THE CONTRACTOR SHALL BE REQUIRED TO RECONNECT ALL ROOM CIRCUITS TO THE NEWLY INSTALLED PANEL.
- 6. THE CONTRACTOR SHALL REPLACE THE EXISTING BREAKER PANEL SUPPLY POWER CABLES WHICH RUNS FROM THE E/G TRANSFER SWITCH TO THE E/G ROOM PANEL. THE EXISTING FEED CABLES ARE TERMINATED ON CABLE LUGS INSTALLED ON THE LOAD SIDE OF THE TRANSFER SWITCH. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL NEW L—SHAPED CABLE LUGS (REQUIRED FOR NEW POWER CABLE) ON THE LOAD SIDE OF THE E/G TRANSFER SWITCH. THE NEW LUGS SHALL BE INSTALLED NEXT TO EXISTING LOAD SIDE TRANSFER SWITCH CABLE LUGS. NOTE; NEW LUGS SHALL BE REQUIRED FOR POWER, NEUTRAL AND GROUND CONDUCTORS. THE NEW BREAKER PANEL SUPPLY POWER CABLE SHALL BE #3 AWG.





MLU ASR BLDG. ELECTRICAL COMPONENTS REPLACEMENT DETAILS

DRAFTED BY: KEN GRAVES

DR.# MLUASRBLDG-01